

**Amendments to the Specification:**

**Please replace the text following the heading "CROSS-REFERENCE TO RELATED APPLICATIONS" on page 2 with the following amended text:**

This application is a continuation-in-part application of the following ~~pending~~  
U.S. Patent applications:

Serial No. 09/560,131 filed April 28, 2000,now issued as U.S. Pat. 6,744,914;

Serial No. 09/560,132 filed April 28, 2000,now issued as U.S. Pat. 6,771,809;

Serial No. 09/560,583 filed April 28, 2000,now issued as U.S. Pat. 6,738,508;

Serial No. 09/560,645 filed April 28, 2000,now issued as U.S. Pat. 6,728,423;

Serial No. 09/560,644 filed April 28, 2000,now issued as U.S. Pat. 6,413,084;

Serial No. 09/560,584 filed April 28, 2000, pending.

The entire contents of each of the above patent applications is incorporated by reference herein.

**Please replace the text following the heading "ABSTRACT" on page 116 with the following amended text:**

A method and system are provided for constructing a virtual three-dimensional model of an object using a data processing system, and at least one machine-readable memory accessible to ~~[[said]]~~the data processing system. A set of at least two digital three-dimensional frames of portions of the object are obtained from a ~~source, such as a computing system coupled to an optical or laser scanner, CT scanner, Magnetic Resonance Tomography scanner or other source.~~ The at least two frames comprise comprising a set of point coordinates in a three dimensional coordinate system providing differing information of the surface of the object. The frames provide a substantial

overlap of the represented portions of the surface of the object, but do not coincide exactly ~~for example due to movement of the scanning device relative to the object between the generation of the frame.~~ Data representing the set of frames are stored in the memory. ~~The data processing system processes the data representing the set of frames with said and~~ processed by the data processing system so as to register the frames relative to each other to thereby produce a three-dimensional virtual representation of the portion of the surface of the object covered by ~~[[said]]~~ the set of frames. ~~The registration is performed without using pre-knowledge about the spatial relationship between the frames. The three dimensional virtual model or representation is substantially consistent with all of the frames.~~